

RIVER STAGES AND FLOODS FOR DECEMBER 1946

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Precipitation during December was above normal over a broad strip extending from southern California through Utah, Wyoming, western Montana, and eastern Idaho. It was also wetter than usual in the South-Central States, in the northern Lake region, and in northern New England. Less than half the usual precipitation occurred in the south Atlantic and east Gulf Coastal Plains, and in large portions of Colorado, New Mexico, Arizona, eastern Washington, and eastern Oregon.

Stream flow was generally above normal except in the eastern States. Floods occurred in the Arkansas and Red River basins in Arkansas and Oklahoma and in the far Northwest.

Floods in Arkansas and Oklahoma.—Flooding was quite general about the middle of the month in Arkansas, Oklahoma, and eastern Texas. Most tributaries of the Arkansas River below Muskogee, Okla., including the Arkansas River from Fort Smith to Morrilton, Ark., exceeded flood stage by a few feet. Damage was not great. Some damage was reported to the spinach crop in southeastern Oklahoma, where nearly 2,400 acres of spinach were overflowed in Haskell and Sequoyah Counties.

Light flood stages were reached in several tributaries of the Red River, resulting in flood stage on the Red River at Fulton, Ark.

West Gulf of Mexico Drainage.—Flood stages were reached on the Sabine, Neches, and Trinity Rivers. Flooding was not severe but total run-off for the month was high. Run-off of the Neches River at Evadale, Tex., was the third highest December run-off in 27 years of record according to the U. S. Geological Survey.

Columbia Basin.—Floods occurred in scattered areas in Oregon and Washington as a result of snow melt and heavy rainfall during the first 2 weeks of the month. Overflow was chiefly in the Umatilla River basin and the Willamette River from Eugene to Portland, Oreg. Reports of this flood are incomplete; they will be included in the report in the next issue of the REVIEW.

FLOOD STAGE REPORT FOR DECEMBER 1946

[All dates in December unless otherwise specified]

River and station	Flood stage	Above flood stages— dates		Crest ¹	
		From—	To—	Stage	Date
EAST GULF OF MEXICO DRAINAGE					
Tombigbee: Lock No. 3, Ala.-----	<i>Feet</i> 33	22	25	<i>Feet</i> 36.8	24
MISSISSIPPI SYSTEM					
<i>Ohio Basin</i>					
West Fork: Edwardsport, Ind.-----	12	14	14	12.0	14

FLOOD STAGE REPORT FOR DECEMBER 1946—Continued

[All dates in December unless otherwise specified]

River and station	Flood stage	Above flood stages— dates		Crest 1	
		From—	To—	Stage	Date
<i>White Basin</i>					
Black: Black Rock, Ark.....	Feet 14	11	17	Feet 15.9	14
White:					
Cotter, Ark.....	21	14	14	21.0	14
Calico Rock, Ark.....	19	12	15	24.9	13
Batesville, Ark.....	23	11	16	29.6	13
Newport, Ark.....	26	14	18	28.2	16
Augusta, Ark.....	32	15	22	33.3	18
Georgetown, Ark.....	21	14	27	24.5	19-20
Des Arc, Ark.....	24	18	27	26.7	21-22
Clarendon, Ark.....	26	19	Jan. 5	28.6	24-25
St. Charles, Ark.....	25	23	Jan. 8	26.5	28-29
<i>Arkansas Basin</i>					
Poteau: Poteau, Okla.....	21	10	-----	33.5	13
Petit Jean: Danville, Ark.....	20	11	21	25.0	13
Fourche LaFave:					
Perryville, Ark.....	20	Nov. 28	1	23.6	Nov. 30
		11	29	31.8	13
Houston, (nr.), Ark.....	18	Nov. 29	1	20.3	Nov. 30
		11	29	28.2	13
Arkansas:					
Fort Smith, Ark.....	22	10	15	26.6	13
Van Buren, Ark.....	22	10	15	27.9	13
Ozark, Ark.....	22	12	14	23.3	13
Dardanelle, Ark.....	22	11	16	26.8	13
Morrilton, Ark.....	20	12	15	21.1	14
<i>Red Basin</i>					
Ouachita:					
Arkadelphia, Ark.....	17	12	15	22.1	13
Camden, Ark.....	26	15	19	28.7	17
Clear Boggy: Caney, Okla.....	21	11	15	25.2	12
Muddy Boggy: Farris, Okla.....	38	12	14	39.4	12
Little: Whitecliffs, Ark.....	25	14	19	27.6	16
Sulphur:					
Hagansport, Tex.....	38	10	17	41.3	13
Naples, Tex.....	22	14	23	27.5	16
Texarkana, (nr.), Tex.....	22	19	30	25.4	22
Red: Fulton, Ark.....	25	14	20	27.4	17
WEST GULF OF MEXICO DRAINAGE					
Sabine:					
Mineola, Tex.....	14	12	20	17.7	16
Gladewater, Tex.....	26	20	24	29.6	22
Logansport, La.....	25	Nov. 18	3	32.2	22
Bon Wier, Tex.....	17	Nov. 29	8	17.3	5
		11	13	17.3	12
Neches: Evadale, Tex.....	16	Nov. 28	3	16.1	1
East Fork: Rockwall, (nr.), Tex.....	10	11	17	19.9	12
Trinity:					
Dallas, Tex.....	28	11	16	38.6	13
Rosser, Tex.....	26	13	21	35.0	16
Trinidad, Tex.....	28	14	26	39.9	19
Long Lake, Tex.....	40	24	27	40.9	25
Liberty, Tex.....	24	Nov. 5	2	27.2	Nov. 10
		29	Jan. 6	27.3	Nov. 13
				27.2	Nov. 29
				25.6	Jan. 1-4
PACIFIC SLOPE DRAINAGE					
<i>Columbia Basin</i>					
Coeur d'Alene: Cataldo, Idaho.....	40.3	14	17	44.6	16
Spokane: Spokane, Wash.....	24.4	17	22	25.4	19

¹ Provisional.